# **Chapter 5** List of Preparers

## **5.1 SEIS Steering Committee**

Tamra Faris, Fisheries Biologist, Alaska Regional Office, NMFS, Juneau, Alaska.

**Dr. Richard Ferrero**, Planning Officer/Fishery Biologist, Office of the Director, Alaska Fisheries Science Center, NMFS, Seattle, Washington.

Chris Oliver, Deputy Director, North Pacific Fishery Management Council, Anchorage, Alaska. Michael Payne, Protected Resources Division Chief, Alaska Regional Office, NMFS, Juneau, Alaska. Sue Salveson, Sustainable Fisheries Division Chief, Alaska Regional Office, NMFS, Juneau, Alaska. Lauren Smoker, Attorney-Advisor, NOAA Office of General Counsel, Juneau, Alaska.

### **5.2** Project Leaders:

**Tamra Faris**, Fisheries Biologist, Alaska Regional Office, NMFS, Juneau, Alaska. Regional Planner and NEPA Coordinator. Oversaw compilation of this analysis including assigned NMFS preparers, served as contract officer representative for portions of analysis done under contract, conducted scoping, prepared the analysis outline, drafted Purpose and Need, reviewed and coached preparers, conducted workshops and conference calls with analysts, oversaw editing and document assembly. Previous assignments with fishery management NEPA analyses include the Alaska Groundfish Programmatic SEIS, the Alaska Groundfish Total Allowable Catch Setting SEIS, and numerous environmental analyses on fisheries management actions. Twenty-five years experience with the Federal Government working with marine fisheries conservation in Alaska. *B.S. University of Alaska, M.S. University of Washington*.

**David Witherell**, Plan Coordinator, North Pacific Fishery Management Council staff, Anchorage, Alaska. Council staff team leader for this SEIS. Prepared sections in Chapters 1 and 2, and ecosystem impacts section, drafted the analysis outline, oversaw final document assembly and distribution. Sixteen years experience as a fisheries biologist preparing environmental impact analyses of proposed fishery management actions. *M.S. in fisheries biology from the University of Massachusetts, Amherst.* 

#### **5.3** Contributors:

**David Ackley**, Fisheries Management Specialist, Alaska Regional Office, NMFS, Juneau, Alaska. Lead analyst on the effects of proposed fishery management measure changes on prohibited species and contributed to the analysis of economics, description of alternatives section 2.3, and section 2.5. Ten years experience with GIS, and as a biometrician working on bycatch issues in the Bering Sea and Gulf of Alaska. *BS in Fisheries, University of Alaska - Southeast; MS in Fisheries Science, University of Alaska.* 

**Gail Bendixen**, Personnel Officer, North Pacific Fishery Management Council staff, Anchorage, Alaska. Prepared final formatting, assembly, and printing of the document. Sixteen years experience with the Council.

**Sally Bibb**, Economist and CDQ Program Coordinator, Sustainable Fisheries Division, Alaska Regional Office, NMFS, Juneau, Alaska. Lead analyst on management complexity and enforcement effects and contributed to the description of alternatives. Fifteen years experience in fisheries management and research. *M.A. in Agricultural Economics Washington State University*.

**Kaja Brix**, Wildlife Biologist, Protected Resources Division, Alaska Regional Office, NMFS, Juneau, Alaska. Contributed to analysis of the effects of proposed fishery management measure changes on harbor seals. Eight years with NMFS. *M.Sc. Michigan State University*.

**Melanie Brown**, Fisheries Biologist, Sustainable Fisheries Division, Alaska Regional Office, NMFS, Juneau, Alaska. Contributed to description of the ongoing fisheries and analysis of the effects of proposed fishery management measure changes on state-managed fisheries, forage fish, and non-specified species. One year fisheries management experience, 14 years experience in federal natural resources management and environmental regulation. *BS in Natural Resources, Ohio State University*.

**Rebecca Campbell**, Administrative Assistant, Sustainable Fisheries Division, Alaska Regional Office, NMFS, Juneau, Alaska. Prepared document with literature coding and generated the literature cited list. Eighteen years experience as a secretary working for the State and Federal governments, and in the private sector.

**Adrian Celewycz**, Fisheries Research Biologist, Auke Bay Laboratory, Alaska Fisheries Science Center, NMFS, Auke Bay, Alaska. Contributed to the analysis of the effects of proposed fishery management measure changes on ESA-listed Pacific salmon. Twenty years research experience with Pacific salmon. *B.S. in Biology from University of Illinois, Urbana, M.S. in Fisheries Biology from University of Alaska, Juneau* 

**Kathryn Chumbley**, Research Wildlife Biologist, National Marine Mammal Laboratory, Alaska Fisheries Science Center, NMFS, Seattle, Washington. Contributed to the marine mammal affected environment section. Eleven years experience as a marine mammal biologist. *B.S. in Biology from The Evergreen State College, Olympia, WA, and currently working on a master's degree in Environmental Studies at The Evergreen State College.* 

**David Clausen**, Research Fisheries Biologist, Auke Bay Laboratory, Alaska Fisheries Science Center, NMFS, Auke Bay, Alaska. Contributed to analysis of the effects of proposed fishery management measure changes on target species. Twenty three years experience with NMFS working on Alaskan groundfish. *B.A. in biology Occidental College, Los Angeles, California.* 

Catherine Coon, Fisheries Analyst/GIS specialist, North Pacific Fishery Management Council staff, Anchorage, Alaska. Contributed to analysis of the effects of proposed fishery management measure changes on target species, marine mammals, seabirds and habitat and contributed to GIS map work. Seven years experience as fisheries biologist; four years experience of GIS in marine resource management. *M.S. in fisheries science University of Alaska, Fairbanks*.

**Matthew Eagleton**, Fisheries Biologist, Habitat Conservation Division, Alaska Regional Office, NMFS, Anchorage, Alaska. Contributed to analysis of the effects of proposed fishery management measure changes on marine habitat. Fourteen years experience with NMFS in the North Pacific. *B.S. in Biological Sciences, Montana State University*.

**Dr. Brian Fadely**, Research Wildlife Biologist, National Marine Mammal Laboratory, Alaska Fisheries Science Center, NMFS, Seattle, Washington. Contributed to Steller sea lion background and effects analysis. Thirteen years experience as a marine mammal biologist. *M.Sc. in Marine Science University of California, Santa Cruz and Ph.D. in Marine Biology University of Alaska, Fairbanks*.

**Dr. Mark Fina**, Senior Economist, North Pacific Fishery Management Council staff, Anchorage, Alaska. Prepared the section on the effects of the American Fisheries Act on Steller sea lions. *Ph.D. in Agricultural and Applied Economics with a specialization in environmental and resource economics from Virginia Tech.* 

**Dr. Charles W. Fowler**, Fisheries Biologist, Systemic Management Studies Program Leader, National Marine Mammal Laboratory, Alaska Fisheries Science Center, NMFS, Seattle, Washington. Provided review of analysis on marine mammals. Thirty seven years experience, teaching, and research in fisheries biology, population dynamics and ecosystem sciences with ten years devoted to systemic management science. *M.S. and Ph.D. in Fisheries Biology University of Washington*.

**Lowell Fritz**, Fisheries Biologist, Resource Ecology and Fisheries Management Division, Alaska Fisheries Science Center, NMFS, Seattle, Washington. Contributed to analysis of the effects of proposed fishery management measure changes on Atka mackerel, squid/other species, and Steller sea lion-fishery interactions. Ten years experience as a fisheries biologist with NMFS, and twelve years experience as a marine biologist with Rutgers University, New Jersey, and College of William and Mary, Virginia. *M.S. in Marine Science, Virginia Institute of Marine Science, College of William and Mary*.

**Sarah Gaichas**, Research Fisheries Biologist, Resource Ecology and Fisheries Management Division, Alaska Fisheries Science Center, NMFS, Seattle, Washington. Contributed to analysis of the effects of proposed fishery management measure changes on shortspine thornyhead and other species. Six years experience as a fisheries biologist. *M.S. in Marine Science Virginia Institute of Marine Science, College of William and Mary*.

**Dr. Jonathan Heifetz**, Fishery Research Biologist, Auke Bay Laboratory, Alaska Fisheries Science Center, NMFS, Auke Bay, Alaska. Contributed to analysis of the effects of proposed fishery management measure changes on marine habitat. Nineteen years experience as a fisheries biologist involved with stock assessment and effects of fishing gear on benthic habitat. *M.S. in fisheries Humboldt State University*, *Ph.D. in fisheries University of Alaska*.

**Terry Hiatt**, Computer Specialist, Resource Ecology and Fisheries Management Division, Alaska Fisheries Science Center, NMFS, Seattle, Washington. Supplied economic statistical and data support. Two years experience with fisheries economics data sets. *B.S. mathematics and B.S computer science from the University of Washington*.

**Lisa Hiruki-Raring**, Research Wildlife Biologist, National Marine Mammal Laboratory, Alaska Fisheries Science Center, NMFS, Seattle, Washington. Contributed to affected environment sections for ice seals, northern elephant seals and walrus. Ten years experience as a marine mammal biologist. *M. Sc.. in zoology from the University of Alberta*.

**Dr. Anne Babcock Hollowed**, Supervisory Fisheries Biologist, Status of Stocks and Multispecies Assessment Program Leader, Resource Ecology and Fisheries Management Division, Alaska Fisheries Science Center, NMFS, Seattle, Washington. Lead analyst for analysis of the effects of proposed fishery management measure changes on target species. Twenty one years experience as a fisheries biologist and has worked on North Pacific fisheries issues for the last 18 years. *M.S. in biological oceanography Old Dominion University, Ph.D. in fisheries University of Washington* 

**Dr. James Ianelli**, Fisheries Research Biologist, Resource Ecology and Fisheries Management Division, Alaska Fisheries Science Center, NMFS, Seattle, Washington. Lead analyst of model for five year harvest projections. Contributed to the analysis on the effects of proposed fishery management measure changes on target species and prohibited species. Twenty three years experience in fisheries research and contributes annually to a number of stock assessment and fishery evaluation documents. *Ph.D. University of Washington*.

**Sonja Kromann**, Librarian, National Marine Mammal Laboratory, Alaska Fisheries Science Center, NMFS, Seattle, Washington. Contributed to the reference work. Nine years experience as marine mammal lab librarian. *MLIS University of Washington*.

**Steve Lewis**, Geographical Information Systems Coordinator, Office of Management and Information, Alaska Regional Office, NMFS, Juneau, Alaska. Prepared final maps of the alternatives, and contributed to section analysis on essential fish habitat, vessel safety, and ESA listed Pacific salmon. Two years of Fishery GIS experience. *B.Ed. - Secondary. University of Alaska, Southeast.* 

**Marina Lindsey**, Webmaster, Alaska Regional Office, NMFS, Juneau, Alaska. Coordinated web presentation of SEIS and facilitated file transfers between coordinating agencies/offices as the document developed. Five years experience as a webmaster in state and federal government, and in private sector.

**Patricia Livingston**, Fishery Research Biologist, Resource Ecology and Fisheries Management Division, Alaska Fisheries Science Center, NMFS, Seattle, Washington. Contributed to analysis of the effects of proposed fishery management measure changes on the ecosystem. Twenty-four years experience in trophic ecology and ecosystem modeling of North Pacific ecosystems. Program leader of Resource Ecology and Ecosystem Modeling Program. *M.S. in quantitative fisheries management University of Washington and MPA in natural resource administration University of Washington*.

**Keri Lodge**, Volunteer, National Marine Mammal Laboratory, Alaska Fisheries Science Center, NMFS, Seattle, Washington. Contributed to the Bibliography section. *B.S. Marine Biology, Eckerd College, St. Petersburg, Florida*.

**Dr. Thomas R. Loughlin**, Wildlife Biologist, National Marine Mammal Laboratory, Alaska Fisheries Science Center, NMFS. Lead analyst for effects of proposed fishery management measure changes on marine mammals. Twenty three years as a marine biologist. *M.A. in biology Humboldt State University, Ph.D. UCLA*.

**Sandra Lowe**, Research Fisheries Biologist, Resource Ecology and Fisheries Management, Alaska Fisheries Science Center, NMFS, Seattle, Washington. Analysts for the effects of the proposed fishery management measures on Atka mackerel. Eighteen years experience as a fisheries biologist working on stock assessments of North Pacific groundfish. Member of the North Pacific Fishery Management Council's Gulf of Alaska Plan Team since 1987, and has chaired the Plan Team since 1991. *M.S. in fisheries University of Washington*.

**Nina Mollett**, Fisheries Regulations Specialist, Sustainable Fisheries Division, Alaska Regional Office, NMFS, Juneau, Alaska. Lead analyst for the effects of proposed fishery management measure changes on marine habitat. Three years experience with NMFS Regional Office, previous work with National Marine Sanctuaries Program and University of Alaska Sea Grant College Program. *B.A. Reed College; M.S. in Resource Economics, University of Alaska, Fairbanks*.

**Dr. Ben Muse**, Economist, Sustainable Fisheries Division, Alaska Regional Office, NMFS, Juneau, Alaska. Contributed to the economics analysis and description of alternatives. Twenty years experience as an economist with the State of Alaska. *PhD. in Agricultural Economics from Cornell University*.

**Dr. Lewis Queirolo**, Industry Economist, Alaska Regional Office, NMFS, Seattle, Washington. Lead analyst for regulatory impact review. Twenty-six years experience in economics with NMFS Alaska Region. *Ph.D. in agricultural and resource economics, Oregon State University.* 

**Jeff Passer**, Special Agent in Charge, NOAA Office for Law Enforcement, Alaska Enforcement Division, NMFS, Juneau, Alaska. Contributed to vessel monitoring system analysis and enforcement concerns over certain regulatory options. *B.S. in Criminal Justice from Southwest University*.

**Thomas Pearson**, Fisheries Biologist, Sustainable Fisheries Division, Alaska Regional Office, NMFS, Kodiak, Alaska. Lead analyst for state-managed fisheries, forage fish, prohibited species, non-specified species, description of the alternatives, and provided writing support through general editing process. Twenty years experience in commercial fisheries in Alaska. *M.A. in Systematics and Ecology from the University of Kansas*.

**Michael A. Perez**, Wildlife Biologist, National Marine Mammal Laboratory, Alaska Fisheries Science Center, NMFS, Seattle, Washington. Contributed data and background information on fisheries interactions with marine mammals and seabirds. Twenty-eight years experience as a marine biologist involved in fisheries related research. *M.A. in Biology, University of California at Santa Barbara*.

**Rebecca F. Reuter**, Research Fishery Biologist, Resource Ecology and Fisheries Management, Alaska Fisheries Science Center, NMFS, Seattle, Washington. Contributed to analysis of the effects of proposed fishery management measure changes on target species. Four years experience as fisheries biologist and GIS Analyst. *M.S. in Marine Sciences from Moss Landing Marine Labs, California State Universities*.

**Kim Rivera**, Wildlife Biologist, Protected Resources Division, Alaska Regional Office, NMFS, Juneau, Alaska. Lead analyst of the effects of proposed fishery management measure changes on seabirds. Eight years experience with NMFS. *M.S. in Zoology from Colorado State University*.

**Bruce W. Robson**, Research Wildlife Biologist, National Marine Mammal Laboratory, Alaska Fisheries Science Center, NMFS. Contributed to marine mammal affected environment section and prepared effect analysis for northern fur seals. Eleven years experience as a marine mammal biologist. *M. Sc. in fisheries biology from the University of Washington*.

**Susan Salveson**. Assistant Administrator, Sustainable Fisheries Division, Alaska Region, NMFS, Juneau, Alaska. Contributed to the description of alternatives and oversaw description of the ongoing fisheries section. Twenty years experience as a fisheries biologist. *M.S. in Fisheries Biology from University of Alaska, Southeast.* 

**Linda Shaw**, Wildlife Biologist, Habitat Conservation Division, Alaska Regional Office, NMFS, Juneau, Alaska, Lead analyst of the effects of proposed fishery management measure changes on ESA listed Pacific salmon. Eleven years of experience with NMFS. *M.A. in zoology from Southern Illinois University at Carbondale*.

**Maria Shawback**, AP Secretary, Webmaster, North Pacific Fishery Management Council staff, Anchorage, Alaska. Prepared final formatting, assembly, and printing of the document. Two years experience with the Council. *BFA in art from Utah State University*.

**Kim Shelden**, Marine Biologist, National Marine Mammal Laboratory, Alaska Fisheries Science Center, NMFS, Seattle, Washington. Contributed to marine mammal affected environment section and effects analysis for ESA-listed great whales and other cetacean species. Eleven years experience as a marine mammal biologist. *M.M.A. in marine policy and conservation biology from the University of Washington*.

**Dr. Michael Sigler**, Mathematical Statistician, Auke Bay Laboratory, Alaska Fisheries Science Center, NMFS, Auke Bay, Alaska. Contributed to analysis of the effects of proposed fishery management measure changes on target species. Eighteen years experience with stock assessment and population dynamics. *B.S. and M.S. from Cornell University and Ph.D. from University of Washington*.

**Andrew N. Smoker**, Senior Inseason Manager, Sustainable Fisheries Division, Alaska Regional Office, NMFS, Juneau, Alaska. Contributed to the enforcement and management considerations section. Fifteen years seasonal field biologist with the Alaska Dept of Fish & Game, 10 years inseason management with Alaska Region NMFS, *BA*, *History Linnfield College, BS Fisheries University of Alaska, Juneau*.

**Dr. Paul Spencer**, Research Fisheries Biologist, Resource Ecology and Fisheries Management Division, Alaska Fisheries Science Center, NMFS, Seattle, Washington. Contributed to analysis of the effects of proposed fishery management measure changes on target species. Eight years experience as a research fisheries biologist, working on fisheries population dynamics. *Ph.D. from the University of Rhode Island.* 

**Dr. Joe Terry**, Economist, Socioeconomic Assessments Program Leader, Resource Ecology and Fisheries Management Division, Alaska Fisheries Science Center, NMFS, Seattle, Washington. Assisted with socioeconomic analysis. Twenty-four years of experience assessing effects on fisheries off Alaska. *Ph.D. in economics from the University of California, Santa Barbara*.

**Dr. Grant Thompson**, Fisheries Research Biologist, Resource Ecology and Fisheries Management Division, Alaska Fisheries Science Center, NMFS, Seattle, Washington. Contributed to analysis of the effects of proposed fishery management measure changes on target species. Twenty-three years experience in fisheries research, the last 17 as a stock assessment scientist at the Alaska Fisheries Science Center. *M.S., Ph.D. Oregon State University*.

**Galen Tromble**, Fisheries Biologist, Sustainable Fisheries Division, Alaska Region, NMFS, Juneau, Alaska. Contributed to the enforcement and management considerations relating to the Vessel Monitoring System. Ten years experience with NMFS as chief of the inseason management branch, responsible for quota monitoring and fishery information. *B.S. in Fisheries from the University of Alaska, Juneau*.

**Benjamin J. Turnock**, Fishery Biologist, Resource Ecology and Fisheries Management Division, Alaska Fisheries Science Center, NMFS, Seattle, Washington. Contributed to analysis of the effects of proposed fishery management measure changes on target species. Twenty years experience as a fishery biologist working on stock assessment of marine fish, population dynamics modeling and population estimation methods of fish and marine mammals. *Working on a Ph.D. in fisheries science at the University of Washington.* 

**Thomas Wilderbuer**, Fishery Biologist, Resource Ecology and Fisheries Management Division, Alaska Fisheries Science Center, NMFS, Seattle, Washington. Contributed to analysis of the effects of proposed fishery management measure changes on target species. Twenty one years experience as a fishery biologist working on stock assessment of flatfish populations off Alaska. *M.S. degree in fisheries from the University of Washington*.

**Anne E. York**, Operations Research Analyst, National Marine Mammal Laboratory, Alaska Fisheries Science Center, NMFS, Seattle, Washington. Contributed information on estimated vital rates of Steller sea lions. Twenty-two years experience as a statistician involved in research on Alaskan pinnipeds. *MS Biomathematics, University of Washington*.

Document preparations for this analysis were done within the NMFS Alaska Regional Office. Contributors to word processing, figure and table layout, and overall assembly included: Gail Bendexin, Anne Bergstrom, Karen Brock, Janet Herr, Mindy Jones, and Maria Shawback. Computer support was coordinated by Will Jones.

#### 5.4 Consultant Contributors

**Dr. Samuel, F. Atkinson**, Professor, University of North Texas. Review of document and preparation of Executive Summary, assisted with explanation of analytical methods used. Twenty years NEPA experience. *Ph.D. in Environmental Science, University of Oklahoma*.

**Sue Ban**, Project Biologist, Health & Safety Officer, URS Anchorage, Alaska. Contributed to the cumulative impacts analysis. Fifteen years of experience in EISs/EAs and ecological risk assessments under NEPA. *B.S. Biology, Pennsylvania State University, M.S. Biological Oceanography, Florida Institute of Technology*.

**Dr. Larry Canter,** Professor Emeritus, University of Oklahoma. Prepared Executive Summary section and assisted with explanation of analytical methods used. Thirty-one years NEPA experience. *Ph.D., University of Texas, Austin.* 

**Dr. Michael Downs**, Principal and Senior Social Scientist, EDAW, Inc, San Diego, California. Lead analyst for regional and community impact section. Eleven years experience with North Pacific groundfish management social impact assessment as a contractor to the North Pacific Fishery Management Council. *Ph.D. Cultural Anthropology, University of California, San Diego*.

**Eric Doyle,** Environmental Scientist/Ecologist, URS Seattle, Washington. Contributed to the cumulative impacts analysis. Five years of experience in policy and science related to the Endangered Species Act and essential fish habitat issues. *B.S Marine Biology, Western Washington University. M.M.A., School of Marine Affairs, University of Washington.* 

**Dave Erikson**, Senior Biologist, URS Homer, Alaska. Contributed to the cumulative impacts analysis. Over 20 years of experience specializing in biological studies. *B.S. Wildlife Biology, University of Nevada, Reno, Nevada; M.S. Biology, University of Nevada, Reno, Nevada.* 

**Diana Evans**, Environmental Planner, URS Anchorage, Alaska. Contributed to the cumulative impacts analysis. *M.Sc. Geography, King's College London, University of London; B.A. Linguistics and Geography, University of California at Berkeley.* 

**Michael S. Galginaitis**, Applied Sociocultural Research. Contributing analyst to community impact section. Eighteen years of socioeconomic research experience in Alaska. *ABD*, *SUNY Binghamton*.

**Marcus Hartley**, Senior Economist, Northern Economics, Inc. Anchorage, Alaska. Contributed to the economics analysis. Twelve years of direct experience as a fisheries economist in Alaska (four years as Senior Economist for the North Pacific Fishery Management Council and three years as senior economist with Northern Economics.) *B.A. History, Lewis and Clark College, M.S. Agriculture and Resource Economics, Oregon State University*.

**Jon Isaacs**, Associate Planner, Environmental/Planning, URS Anchorage, Alaska. Contributed to the cumulative impacts analysis. Twenty-six years of Alaska experience, primarily in NEPA compliance, coastal management and community planning. Participated in preparation of 15 EISs and numerous EAs. *B.A. Environmental Studies, University of California, Santa Barbara. Graduate Studies Planning and Economics, University of Alaska, Anchorage*.

**Richard Kleinleder**, Biologist, URS Homer. Contributed to the cumulative impacts analysis. Over 20 years of Alaska experience. Adjunct professor in Ornithology at the University of Alaska Kachemak Bay. *B.S. Indiana University; M.S. Wildlife Biology, University of Alaska, Fairbanks.* 

**Dr. Gunnar Knapp**, Professor, University of Alaska, Anchorage, Alaska. Contributed to the market analysis section. Ten years of experience actively involved in analysis of Alaska fish products. *Ph.D.*, *Economics*, *Yale University*.

**Dr. Robert McKusick**, President, Northwest Economic Associates. Contributed to the market analysis and economics sections. Thirty years experience in natural resource economics research and project management in all aspects of natural resources economics. *B.S.*, *M.S.*, and *Ph.D.*, *Agricultural Economics*, *University of California*, *Davis*.

**Jim Richardson**, Principal of ResourcEcon, Anchorage, Alaska. Contributed to the economics analysis section. Over 25 years experience as a professional economist, mostly in Alaska. *B.A. Economics, University of Calgary, M.S. Agricultural and Resource Economics, Oregon State University.* 

**Dr. Robert Senner**, Project Biologist, LGL, Fairbanks, Alaska. Contributed to the cumulative impact analysis. Twenty-three years of Alaska experience in environmental program management, impact assessment, and preparation of NEPA documents. *D.Phil, Certification Physiology, University of St. Andrews; Ph.D. Candidate, Public Policy, University of Texas at Austin; B.S. Biology, Yale University.* 

**Dr. Michael Taylor**, Vice President and Senior Economist, Northwest Economic Associates. Contributed to the market analysis and economic analysis sections. Ten years of experience conducting natural resource economic analyses, including contributions to several EIS/EAs in Alaska and elsewhere. *B.A., Computer Science, University of California, Berkeley, M.S. and Ph.D., Agricultural and Resource Economics, Oregon State University*.

## 5.5 Cooperating Agency Contributors

**Kathy Kuletz**, Wildlife Biologist, Nongame Migratory Bird Management, U.S. Fish and Wildlife Service, Anchorage, Alaska. Contributed to analysis of the effects of proposed fishery management measure changes on seabirds. Fifteen years with US Fish and Wildlife Service, and worked in Alaska on fish and birds since 1976 through private consulting firms and USFWS. *B.S in Wildlife/Marine Biology Calif. State Polytechnic University at San Luis Obispo; Masters in Ecology and Evolutionary Biology University of California Irvine; PhD Candidate, University of Victoria, B.C.* 

**Kristin Mabry**, Marine Fisheries GIS Biometrician, Alaska Department of Fish & Game, Juneau, Alaska. Contributed GIS and map work on delineating SEIS alternatives. Four years experience in natural resources GIS and statistical analysis. Member of the North Pacific Fishery Management Council's Bering Sea Groundfish Plan Team. *B.S. in environmental studies in geography, Radford University. M.E.M. in resource ecology, School of the Environment, Duke University.* 

LT Phillip Thorne, Operations Planning and Analysis Staff Officer, U.S. Coast Guard Seventeenth District, Juneau, Alaska. Contributed to enforcement and safety at sea analysis sections. Ten years of USCG service, 9 years assigned to ships enforcing US and international laws/regulations. B.S Mathematics/ Computer Science, U.S. Coast Guard Academy and Master of Marine Affairs degree, University of Rhode Island.